APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR		ATTORNEY DOCKET NO.
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EXAMINER
DUONG, O

ART UNIT	PAPER NUMBER
2155	S

TM02/0214

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DATE MAILED:
02/14/01

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>03</u> MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136 (a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) ☒ Responsive to communication(s) filed on *23 December 1998* .

2a) ☐ This action is **FINAL.**   2b) ☒ This action is non-final.

3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) ☒ Claim(s) *1-23* is/are pending in the application.

   4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5) ☐ Claim(s) _____ is/are allowed.

6) ☒ Claim(s) *1-23* is/are rejected.

7) ☐ Claim(s) _____ is/are objected to.

8) ☐ Claims _____ are subject to restriction and/or election requirement.

Application Papers

9) ☐ The specification is objected to by the Examiner.

10) ☐ The drawing(s) filed on _____ is/are objected to by the Examiner.

11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved.

12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. § 119

13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

   a) ☐ All b) ☐ Some * c) ☐ None of:

   1. ☐ Certified copies of the priority documents have been received.

   2. ☐ Certified copies of the priority documents have been received in Application No. _____ .

   3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

   * See the attached detailed Office action for a list of the certified copies not received.

14) ☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

Attachment(s)

15) ☒ Notice of References Cited (PTO-892)

16) ☒ Notice of Draftsperson's Patent Drawing Review (PTO-948)

17) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) *4* .

18) ☐ Interview Summary (PTO-413) Paper No(s). _____ .

19) ☐ Notice of Informal Patent Application (PTO-152)

20) ☐ Other: .

DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that

form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

1.   Claim 1-7, 9-13, 15-19, 21-23 are rejected under 35 U.S.C. 102(e) as

being anticipated by Mullins (U.S. Patent 5,857,197).

Regarding claim 1, Mullins discloses a flexibly adaptable asset management

system (see fig. 1, col. 3, lines 65-21) comprising an asset manager server disposed

between the client application and the data store (see fig1, col.7, lines 39-67), the asset

manager server including at least one client adapter for providing interface functions

between the client application and the asset manager server (see fig.1, col. 1, lines 52-

61); at least one schema adapter for mapping the assets to the data stored in the data

store and for transferring the data to and from the data store in response to

methods invoked in the at least one client adapter by the client application (see col. 35,

lines 40-45); at least one object oriented class, being one of the classes, wherein an

instance of the at least one object oriented class encapsulates the data and associated

behaviors for transferring between the at least one schema adapter and the client

application through the at least one client adapter (see col. 8, lines 18-36), wherein, the

at least one object oriented class is flexibly adaptable, thereby allowing the system to do

one or more of handle different data types and associated behaviors and handle

additional client applications (see col. 9, lines 34-47).

Regarding claims 6, 12, and 18, Mullins teaches a flexibly adaptable asset

management system (see fig. 1, col. 3, lines 65-21) comprising an asset manager

server disposed between the client application and the data store (see fig1, col.7, lines

39-67), the asset manager server including at least one client adapter for providing

interface functions between the client application and the asset manager server (see

fig.1, col. 1, lines 52-61); at least one schema adapter for mapping the assets to the

data stored in the data store and for transferring the data to and from the data/store in

response to methods invoked in the at least one client adapter by the client application

(see col. 35, lines 40-45); at least one object oriented class, being one of the classes,

wherein an instance of the at least one object oriented class encapsulates the data and

associated behaviors for transferring between the at least one schema adapter and the

client application through the at least one client adapter (see col. 8, lines 18-36),

wherein, the at least one object oriented class is flexibly adaptable, thereby allowing the

system to do one or more of handle different data types and associated behaviors and

handle additional client applications (see col. 9, lines 34-47), the method comprising

creating a new object oriented class (see col. 10, lines 25-27) by choosing a template

for the new object oriented class (see cols. 4-5, lines 66-5); choosing a domain for an

instance of the new object oriented class (col. 8, lines 18-30); and implementing

methods for retrieving and setting values for the instance of the new object oriented

class (cols.11-12, lines 1-4).

Regarding claims 2, 7, 13, and 19, Mullins discloses the at least one schema adapter is specific to a particular one of the assets, an asset being meta data for a particular data type (see col.3, lines 30-34).

Regarding claims 3, 9, 15, and 21, Mullins discloses the asset manager server further comprises external services for providing a link between the at least one schema adapter and the data store (see col. 4, lines 49-58).

Regarding claims 4, 10, 16, and 22, Mullins discloses the at least one schema adapter calls a specific template for the at least one object oriented class (see col.8, lines 30-34); produces the instance of the at least one object oriented class from the template; and initializes the instance of the object oriented class prior to the transferring between the at least one schema adapter and the client application through the at least adapter (see col. 8, lines 30-36).

Regarding claims 5, 11, 17, and 23, Mullins discloses the at least one schema adapter calls the specific template for the at least one object oriented class using the data type (see col. 8, lines 30-36) and an action path provided to the at least one schema adapter from the client application through the at least one client adapter (see col. 7, lines 39-54).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the

invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

2.   Claims 8, 14, and 20 are rejected under 35 U.S.C. 103(a) as being

unpatentable over Mullins (U.S. Patent 5,857,197) in view of Ludwig et al. (U.S. Patent

6,006,230).

Mullins teaches the limitations of the independent claim 6, 12, and 18 as given in

the U.S.C 102(e) rejection above; however, Mullins does not teach creating a local copy

of the instance and implementing remote and local methods and interfaces as claimed.

Ludwig et al. teach that creating a local copy of the instance of the new object oriented

class in the client application (see col.39, lines 35-38); and implementing remote and

local methods and interfaces to support the instance and the local copy of the instance

respectively (see col. 2, lines 40-52). Therefore, it would have been obvious to have

used the method in Mullins at taught by Ludwig because methods available to the object

instance can be invoked locally thereby the client can serve as a server of the object, in

addition to being a client of objects from the server.

Conclusion

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Oanh L Duong whose telephone number is (703) 305-

0295. The examiner can normally be reached on Monday - Friday, 8:00am - 4:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Ayaz sheikh can be reached on (703) 305-9648. The fax phone numbers

for the organization where this application or proceeding is assigned are (703) 305-3718

for regular communications and (703) 305-3718 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or

proceeding should be directed to the receptionist whose telephone number is (703) 305-

3900.

O.D

O.D.

February 12, 2001

AYAZ SHEIKH
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100